SUPPLEMENTARY MATERIALS

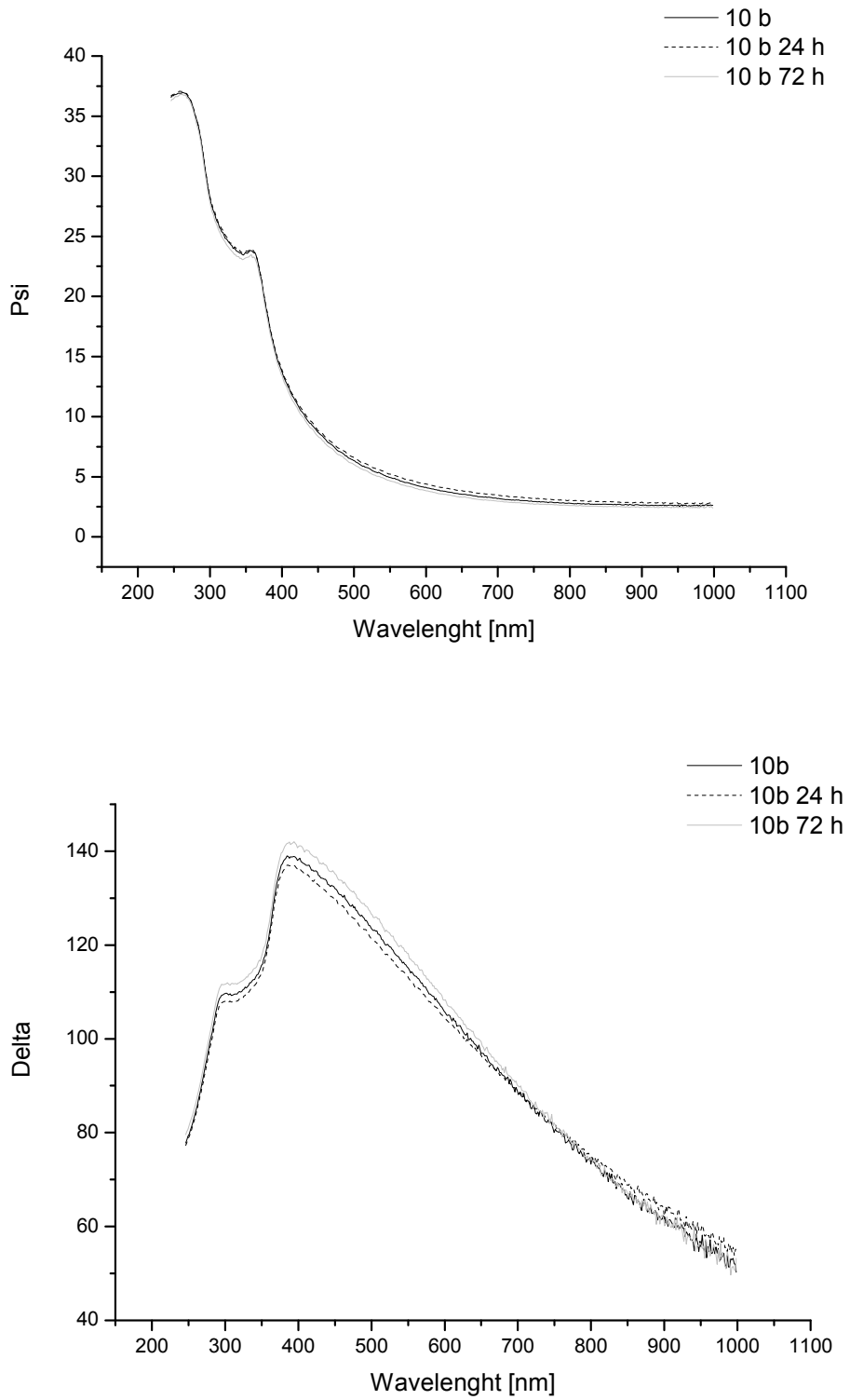

Figure 1S. Ellipsometric results for the 10 bilayers films before and after immersion in 0.1M NaCl solution for 24h and 72h, respectively.

Figure 1S presents the results of the ellipsometric measurements as the dependence of Psi and Delta (parameters of the polarized light) on the light wavelength. Very small variations in those relations for the untreated and treated polypeptide film indicate also negligible variation in the film thickness upon its immersion in the 0.1 M NaCl solution.

Figure 2S represents the raw ellipsometric data that were subsequently used for fitting to obtain both thicknesses and optical constants of the $[Kx24/Ex15]_3$ film.

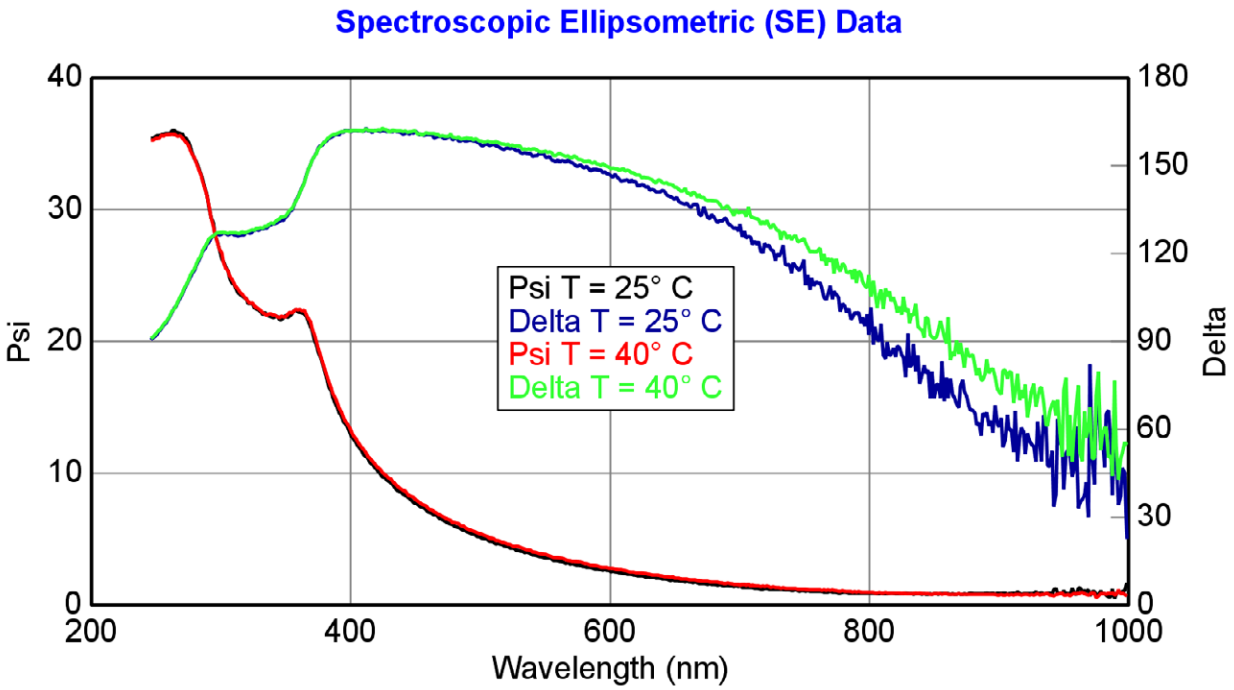

Figure 2S. Ellipsometric results for $[Kx24/Ex15]_3$ film measured in water at 25°C and 40°C.